

DATA MATRIX CHART

Product Name: AKTA KLOR 25

Applicant's Name and Address: Rio Linda Chemical Company  
410 N. 10th St.  
Sacramento, CA 95814

EPA Registration Number: 21164-6

Application for Registration Dated: April 30, 1989

Formulators Exemption Selected: No

Name of Active Ingredient: Sodium Chlorite

(Note: All listed studies for which an Accession or MRID number is given below were previously submitted by the applicant)

<u>STUDY</u>	<u>GUIDELINE NUMBER</u>	<u>ACCESSION/MRID NO.</u>	<u>NOT APPLICABLE</u>	<u>DATE SUBMITTED</u>
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# 158.120

## ■ PRODUCT CHEMISTRY

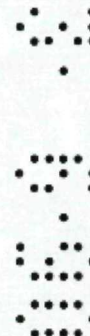
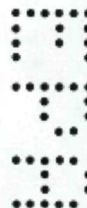
Product Identity and Composition	Series 61	255017 072725		10/1/84 7/9/84
Analysis and Certification of Product Ingredients	Series 62	255017 072725		10/1/84 7/9/84
Physical and Chemical Characteristics	Series 63	255017 072725		10/1/84 7/9/84

# 158.130

## ■ ENVIRONMENTAL FATE

Hydrolysis	161-1		
Photodegradation in Water	161-2		
Aerobic Soil Metabolism	162-1		
Anaerobic Soil Metabolism	162-2		
Leaching and Adsorption/desorption	163-1		
Soil Dissipation	164-1		

X  
X  
X  
X  
X  
X



DATA MATRIX CHART (cont).

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# 158.135				
■ TOXICOLOGY				
Acute Oral LD <sub>50</sub> (rat)	81-1	072726 253741		7/9/84 6/26/84
Acute Dermal LD <sub>50</sub> *	81-2		X	
Acute Inhalation LC <sub>50</sub> **	81-3		X	
Primary Eye Irritation*	81-4		X	
Primary Skin Irritation	81-5	253741		6/26/84
Dermal Sensitization*	81-6		X	
Acute Delayed Neurotoxicity	81-7		X	
90- Day Feeding Studies	82-1	40943903***		12/22/88
Chronic Feeding (2 spp.)	83-1		Data Gap	
Oncogenicity (2 spp.)	83-2	40943903*** 41118802*** 40943901***		12/22/88 6/2/89 12/22/88
Teratogenicity (2 spp.)	83-3			
Reproduction, 2-Generation	83-4		Data Gap	
Gene Mutation	84-2		"	
Structural Chrom Aberr.	84-2		"	
Other Genotoxic Effects	84-4		"	
General Metabolism	85-1		"	

\* These studies were not conducted due to the high basicity of the test material (pH > 12).

\*\* Not applicable since the product does not result in the inhalation of an inhalable material.

\*\*\* These studies were submitted by the Chlorine Dioxide Panel, of which Rio Linda is a member. The studies were judged deficient, although they can be upgraded (see attached memo).

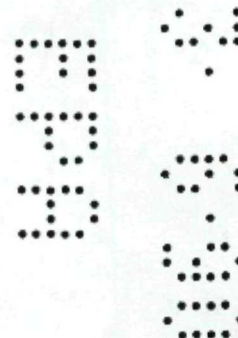


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# 158.145				
■ WILDLIFE AND AQUATIC ORGANISMS				
Avian Oral LD <sub>50</sub> (mallard)	71-1	253743		6/26/84
		255018		10/1/84
Avian Oral LD <sub>50</sub> (bobwhite)	71-1	257341		3/8/85
Avian Dietary LC <sub>50</sub> (mallard)	71-2	253743		6/26/84
Avian Dietary LC <sub>50</sub> (bobwhite)	71-2	253743		6/26/84
Freshwater Fish LC <sub>50</sub>	72-1	253743		6/26/84
(rainbow trout)		255018		10/1/84
Freshwater Fish LC <sub>50</sub>	72-1	253743		6/26/84
(bluegill sunfish)		255018		10/1/84
Acute LC <sub>50</sub> Freshwater	72-2	253743		6/26/84
Invertebrates (Daphnia)				



DATA MATRIX CHART (cont.)StudyRegistration Number

# 158.120

## ■ PRODUCT CHEMISTRY

Product Identity and  
Composition

21164-6

Analysis and Certification  
of Product Ingredients

21164-6

Physical and Chemical  
Characteristics

21164-6

# 158.135

## ■ TOXICOLOGY

Acute Oral LD<sub>50</sub> (rat)  
Primary Skin Irritation  
90- Day Feeding Studies  
Oncogenicity (2 spp.)  
Teratogenicity

21164-6

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21164-5 &amp; 6

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# 158.145

■ WILDLIFE AND AQUATIC  
ORGANISMSAvian Oral LD<sub>50</sub> (mallard)  
Avian Oral LD<sub>50</sub> (bobwhite)  
Avian Dietary LC<sub>50</sub> (mallard)  
Avian Dietary LC<sub>50</sub> (bobwhite)  
Freshwater Fish LC<sub>50</sub>  
(rainbow trout)  
Freshwater Fish LC<sub>50</sub>  
(bluegill sunfish)  
Acute LC<sub>50</sub> Freshwater  
Invertebrates (Daphnia)

21164-5

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[Registration Number 21164-6 is a 25% chlorite solution]  
 [Registration Number 21164-5 is a 80% chlorite solution; it is:  
 the TGAI of registration number 21164-6]